

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051622\  
 Data File : VD073040.D  
 Acq On : 16 May 2022 17:37  
 Operator : VA/SY  
 Sample : N2816-20  
 Misc : 4.77G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 P007-SS012-0006-01

Quant Time: May 17 03:29:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 08:33:49 2022  
 Response via : Initial Calibration

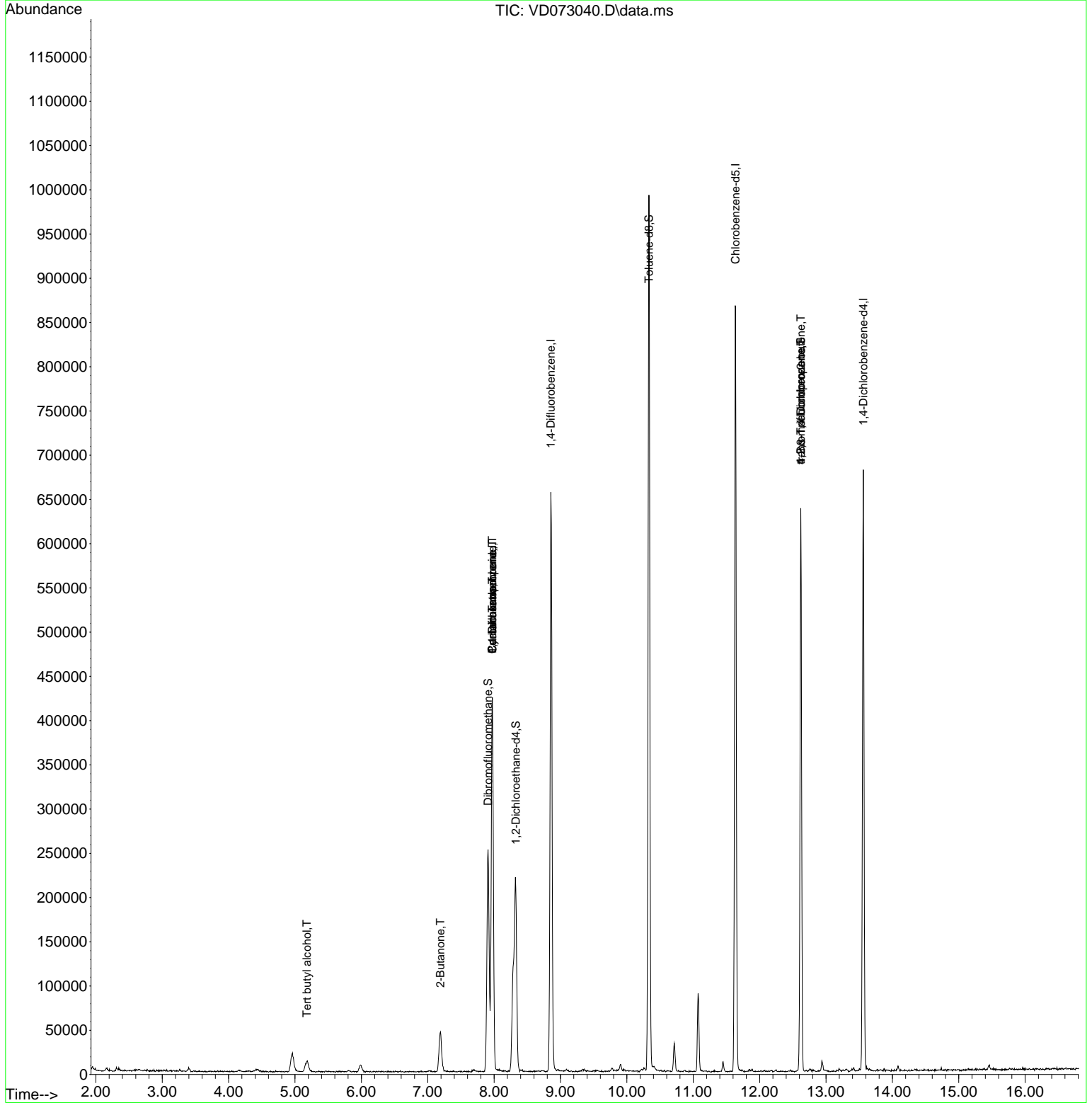
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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Internal Standards						
1) Pentafluorobenzene	7.973	168	300772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	551307	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	509157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	177062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	165530	42.397	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.800%
35) Dibromofluoromethane	7.909	113	181173	46.792	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.580%
50) Toluene-d8	10.332	98	648560	46.696	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.400%
62) 4-Bromofluorobenzene	12.620	95	201840	38.974	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	77.940%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	773	Below Cal		89
11) Tert butyl alcohol	5.179	59	11470	33.955 ug/l #		74
16) Acetone	4.156	43	2209	Below Cal #		50
18) Methyl Acetate	4.750	43	116	Below Cal #		55
20) Methylene Chloride	4.962	84	16172	Below Cal #		83
25) 2-Butanone	7.191	43	2637	2.318 ug/l		95
31) Cyclohexane	7.973	56	8295	1.215 ug/l #		10
36) 1,1-Dichloropropene	7.973	75	25240	4.009 ug/l #		51
38) Carbon Tetrachloride	7.973	117	34836	5.330 ug/l #		17
76) 1,2,3-Trichloropropane	12.620	75	102418	51.874 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	102418	119.289 ug/l #		7
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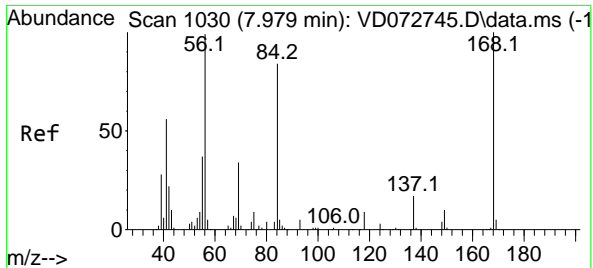
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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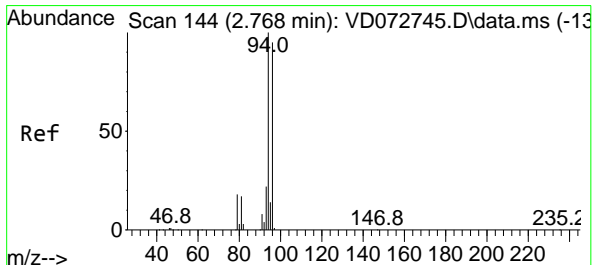
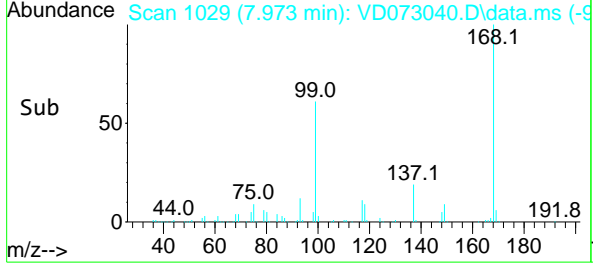
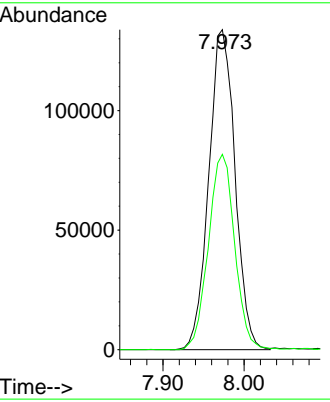
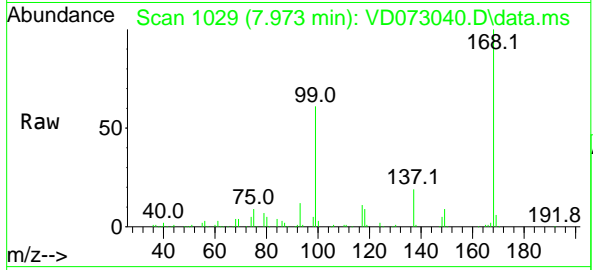




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.973 min Scan# 10  
 Delta R.T. -0.006 min  
 Lab File: VD073040.D  
 Acq: 16 May 2022 17:37

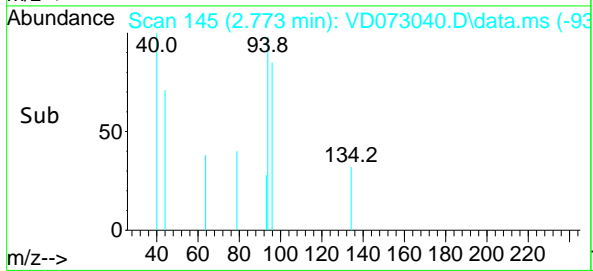
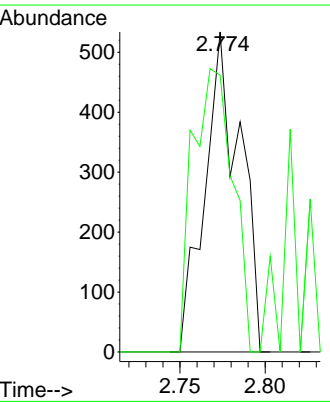
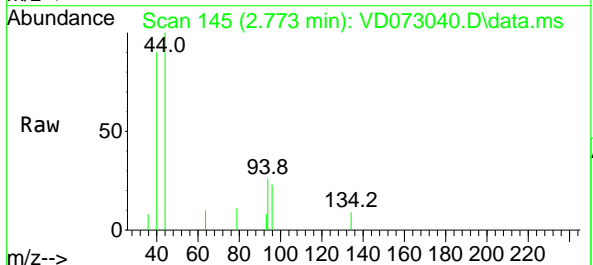
Instrument : MSVOA\_D  
 ClientSampleId : P007-SS012-0006-01

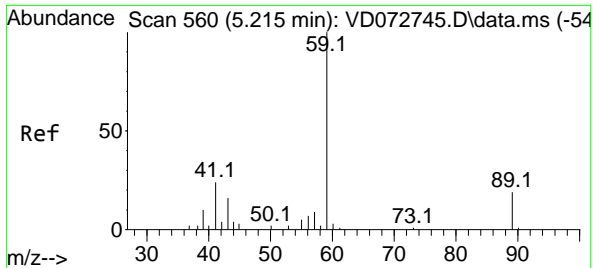
Tgt Ion:168 Resp: 300772  
 Ion Ratio Lower Upper  
 168 100  
 99 61.1 49.8 74.6



#5  
 Bromomethane  
 Concen: Below Cal  
 RT: 2.773 min Scan# 145  
 Delta R.T. 0.006 min  
 Lab File: VD073040.D  
 Acq: 16 May 2022 17:37

Tgt Ion: 94 Resp: 773  
 Ion Ratio Lower Upper  
 94 100  
 96 86.5 77.6 116.4

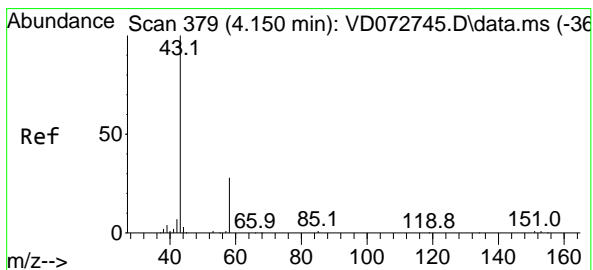
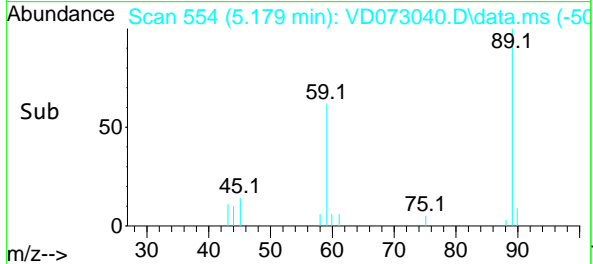
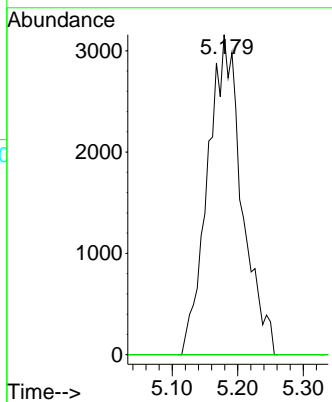
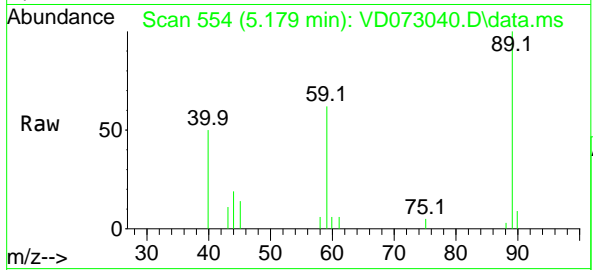




#11  
 Tert butyl alcohol  
 Concen: 33.955 ug/l  
 RT: 5.179 min Scan# 51  
 Delta R.T. -0.036 min  
 Lab File: VD073040.D  
 Acq: 16 May 2022 17:37

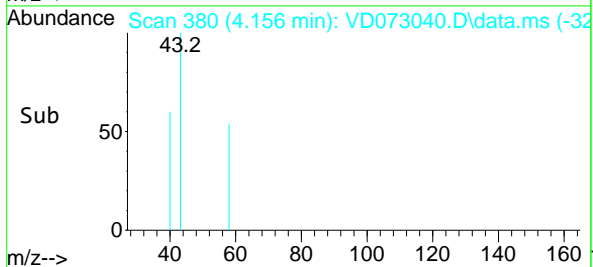
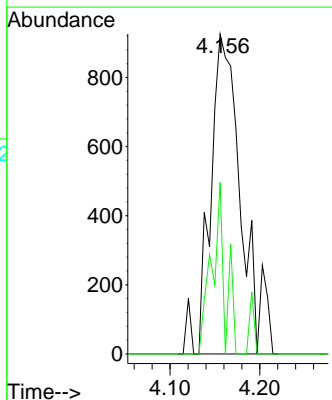
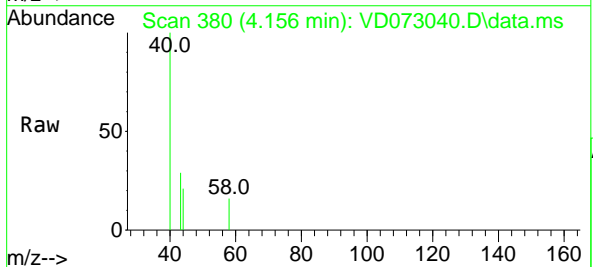
Instrument : MSVOA\_D  
 ClientSampleId : P007-SS012-0006-01

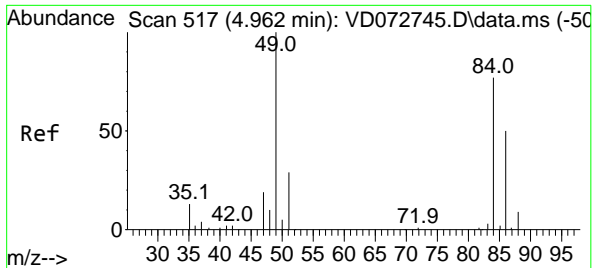
Tgt Ion: 59 Resp: 11470  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 7.8 11.6#



#16  
 Acetone  
 Concen: Below Cal  
 RT: 4.156 min Scan# 380  
 Delta R.T. 0.006 min  
 Lab File: VD073040.D  
 Acq: 16 May 2022 17:37

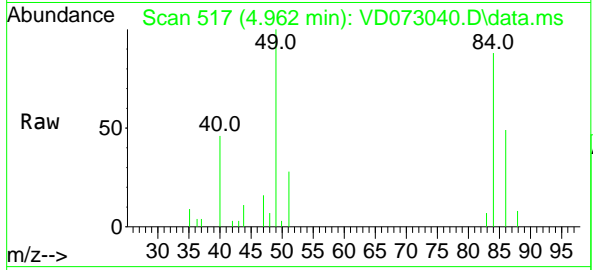
Tgt Ion: 43 Resp: 2209  
 Ion Ratio Lower Upper  
 43 100  
 58 53.6 22.1 33.1#





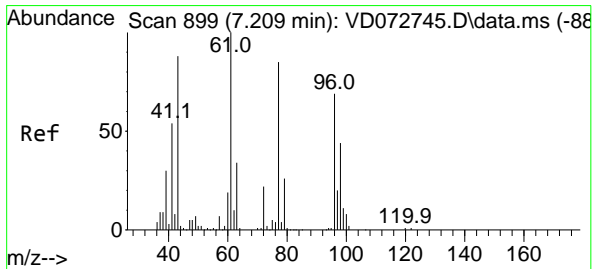
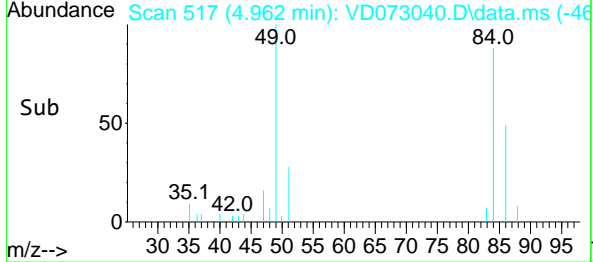
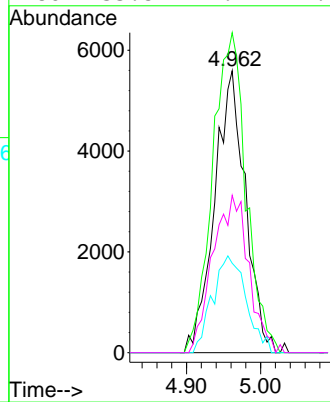
#20  
 Methylene Chloride  
 Concen: Below Cal  
 RT: 4.962 min Scan# 517  
 Delta R.T. -0.000 min  
 Lab File: VD073040.D  
 Acq: 16 May 2022 17:37

Instrument : MSVOA\_D  
 ClientSampleId : P007-SS012-0006-01



Tgt Ion: 84 Resp: 16172

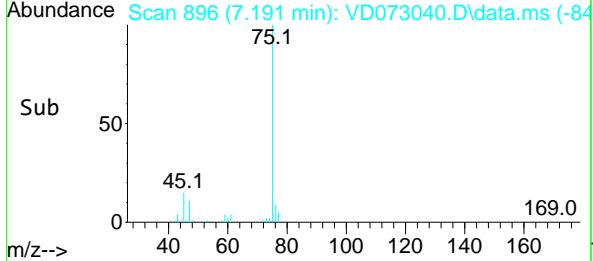
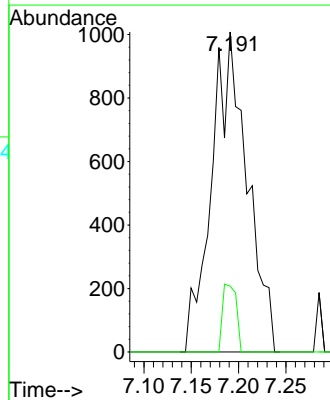
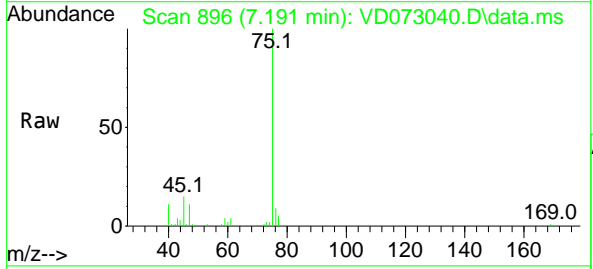
Ion	Ratio	Lower	Upper
84	100		
49	113.5	112.8	169.2
51	31.7	32.6	48.8
86	55.8	47.9	71.9

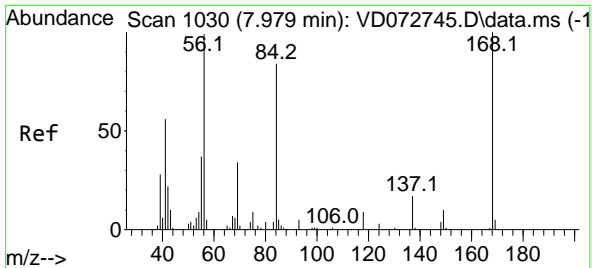


#25  
 2-Butanone  
 Concen: 2.318 ug/l  
 RT: 7.191 min Scan# 896  
 Delta R.T. -0.018 min  
 Lab File: VD073040.D  
 Acq: 16 May 2022 17:37

Tgt Ion: 43 Resp: 2637

Ion	Ratio	Lower	Upper
43	100		
72	20.6	18.6	27.8



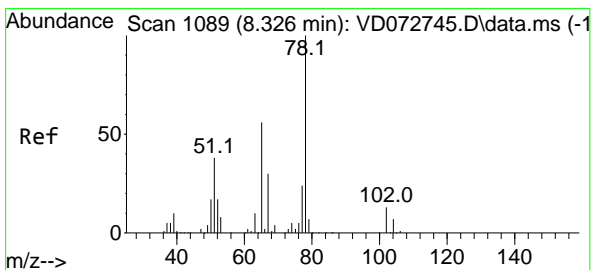
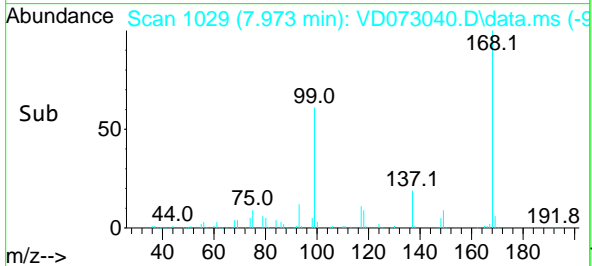
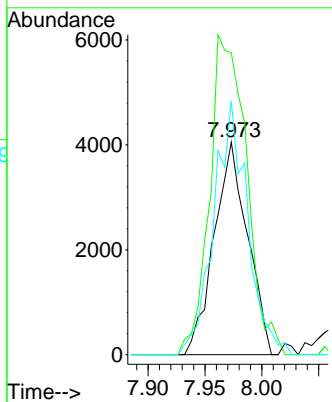
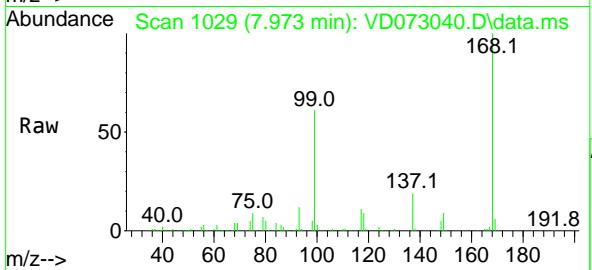


#31  
 Cyclohexane  
 Concen: 1.215 ug/l  
 RT: 7.973 min Scan# 1029  
 Delta R.T. -0.006 min  
 Lab File: VD073040.D  
 Acq: 16 May 2022 17:37

Instrument : MSVOA\_D  
 ClientSampleId : P007-SS012-0006-01

Tgt Ion: 56 Resp: 8295

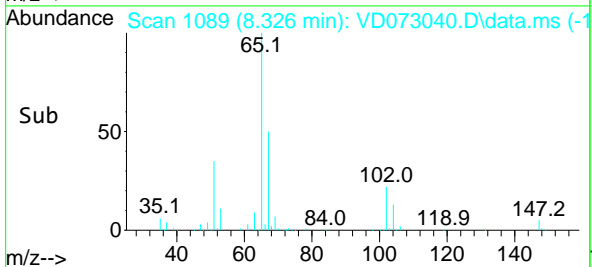
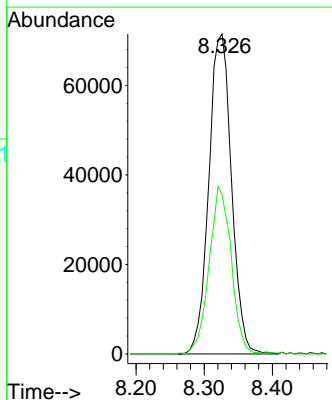
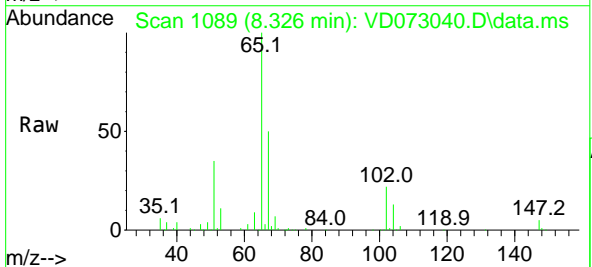
Ion	Ratio	Lower	Upper
56	100		
69	142.0	25.4	38.2#
84	119.3	63.0	94.4#

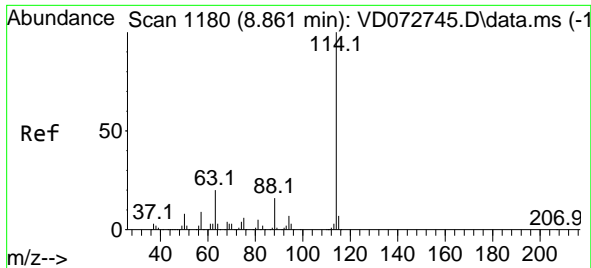


#33  
 1,2-Dichloroethane-d4  
 Concen: 42.397 ug/l  
 RT: 8.326 min Scan# 1089  
 Delta R.T. 0.000 min  
 Lab File: VD073040.D  
 Acq: 16 May 2022 17:37

Tgt Ion: 65 Resp: 165530

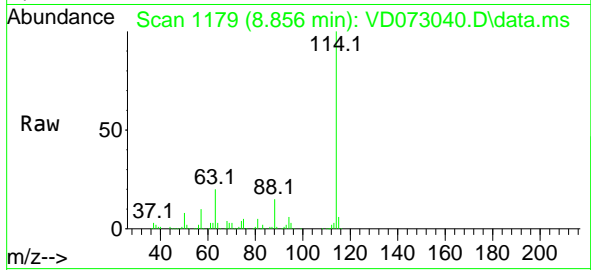
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	101.4



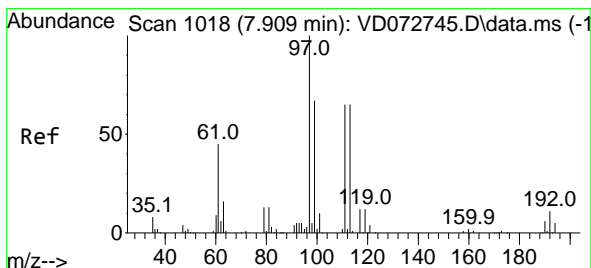
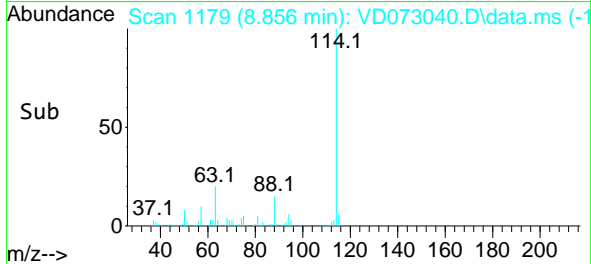
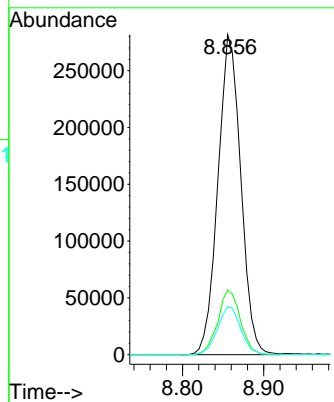


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.856 min Scan# 1119  
 Delta R.T. -0.005 min  
 Lab File: VD073040.D  
 Acq: 16 May 2022 17:37

Instrument : MSVOA\_D  
 ClientSampleId : P007-SS012-0006-01

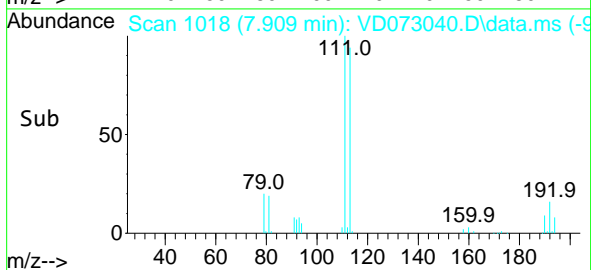
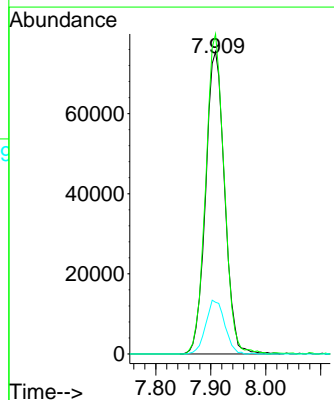
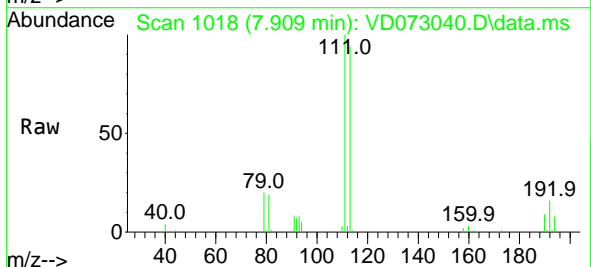


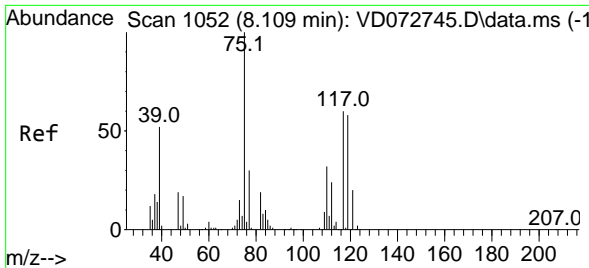
Tgt Ion:114 Resp: 551307  
 Ion Ratio Lower Upper  
 114 100  
 63 20.2 0.0 46.6  
 88 15.1 0.0 33.2



#35  
 Dibromofluoromethane  
 Concen: 46.792 ug/l  
 RT: 7.909 min Scan# 1018  
 Delta R.T. -0.000 min  
 Lab File: VD073040.D  
 Acq: 16 May 2022 17:37

Tgt Ion:113 Resp: 181173  
 Ion Ratio Lower Upper  
 113 100  
 111 103.1 83.8 125.6  
 192 17.7 14.6 21.8

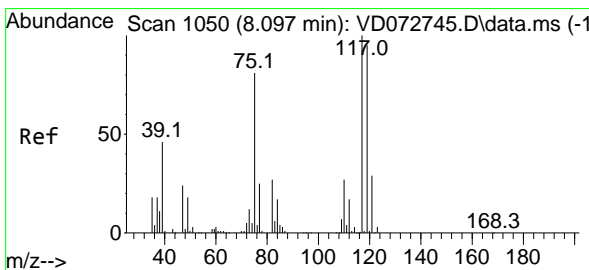
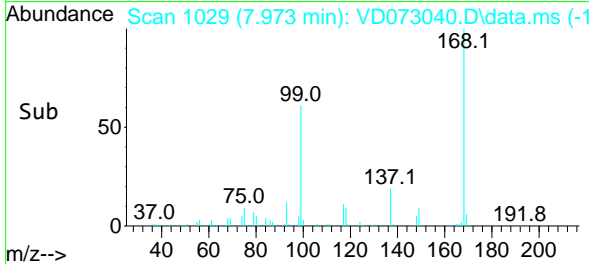
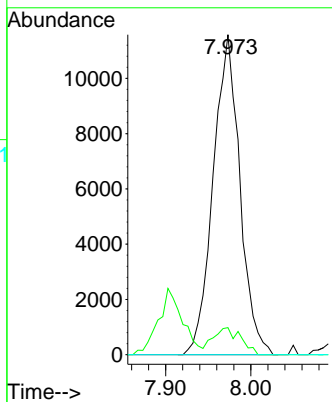
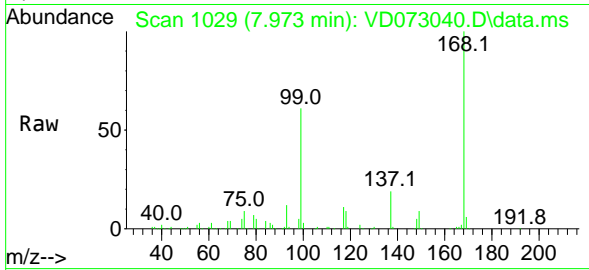




#36  
 1,1-Dichloropropene  
 Concen: 4.009 ug/l  
 RT: 7.973 min Scan# 1029  
 Delta R.T. -0.136 min  
 Lab File: VD073040.D  
 Acq: 16 May 2022 17:37

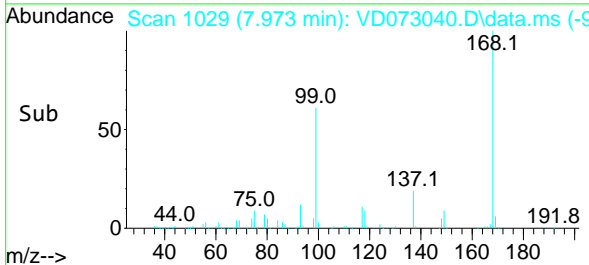
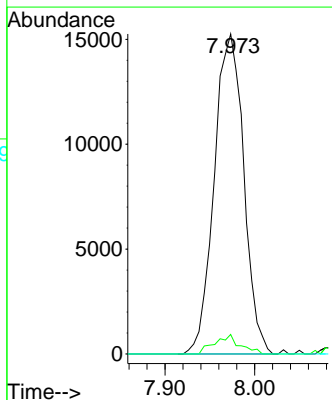
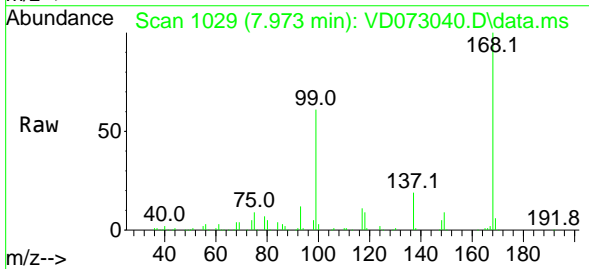
Instrument : MSVOA\_D  
 ClientSampleId : P007-SS012-0006-01

Tgt Ion	Resp	Lower	Upper
75	100		
110	8.8	16.4	49.1#
77	0.0	24.2	36.2#

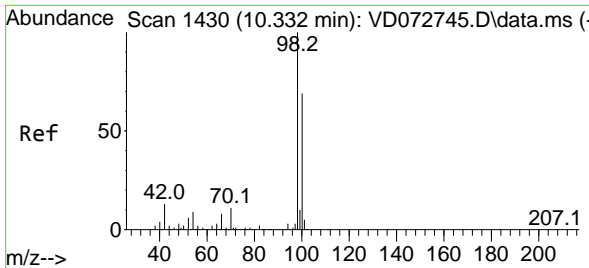


#38  
 Carbon Tetrachloride  
 Concen: 5.330 ug/l  
 RT: 7.973 min Scan# 1029  
 Delta R.T. -0.124 min  
 Lab File: VD073040.D  
 Acq: 16 May 2022 17:37

Tgt Ion	Resp	Lower	Upper
117	100		
119	6.1	75.8	113.6#
121	0.0	24.5	36.7#

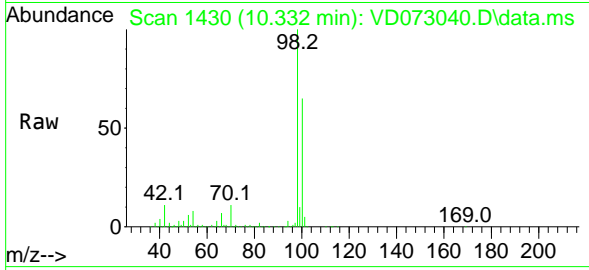




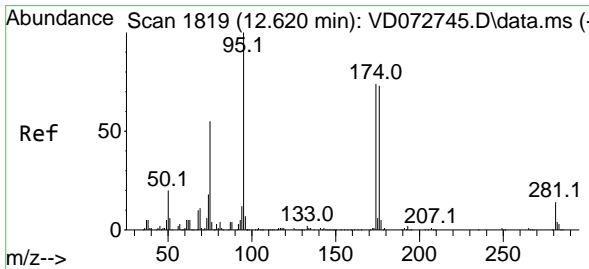
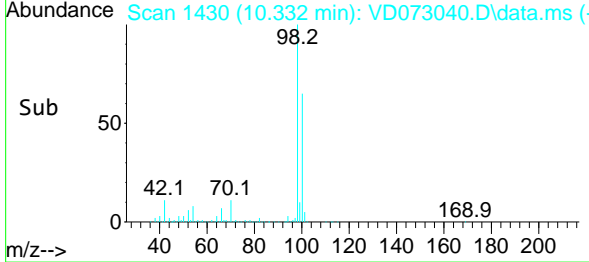
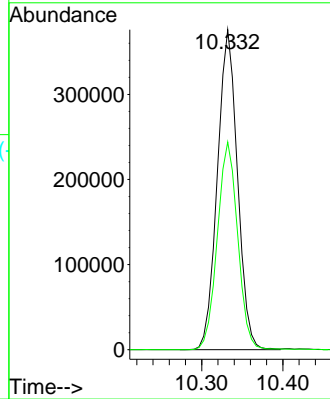


#50  
 Toluene-d8  
 Concen: 46.696 ug/l  
 RT: 10.332 min Scan# 1430  
 Delta R.T. -0.000 min  
 Lab File: VD073040.D  
 Acq: 16 May 2022 17:37

Instrument : MSVOA\_D  
 ClientSampleId : P007-SS012-0006-01

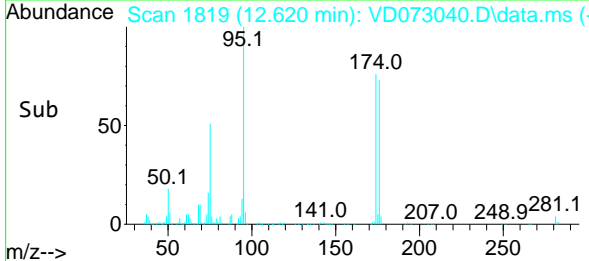
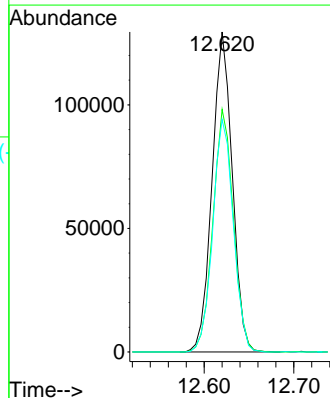
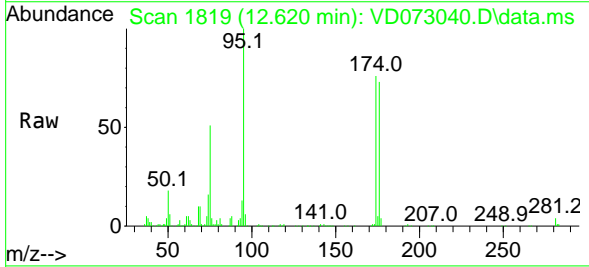


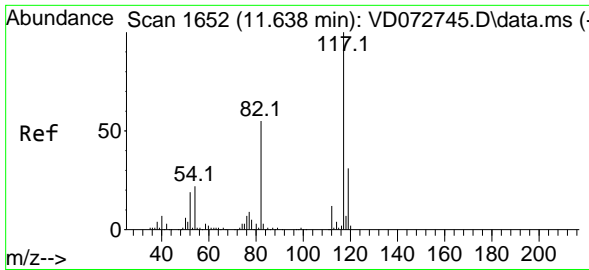
Tgt Ion: 98 Resp: 648560  
 Ion Ratio Lower Upper  
 98 100  
 100 65.8 52.4 78.6



#62  
 4-Bromofluorobenzene  
 Concen: 38.974 ug/l  
 RT: 12.620 min Scan# 1819  
 Delta R.T. 0.000 min  
 Lab File: VD073040.D  
 Acq: 16 May 2022 17:37

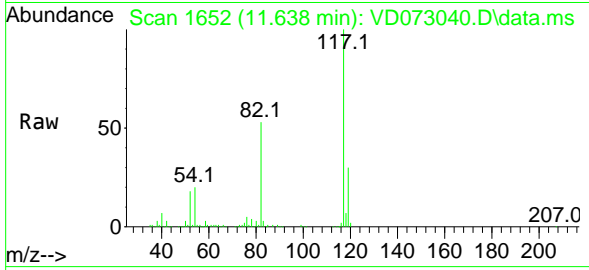
Tgt Ion: 95 Resp: 201840  
 Ion Ratio Lower Upper  
 95 100  
 174 76.9 0.0 152.8  
 176 74.2 0.0 145.4





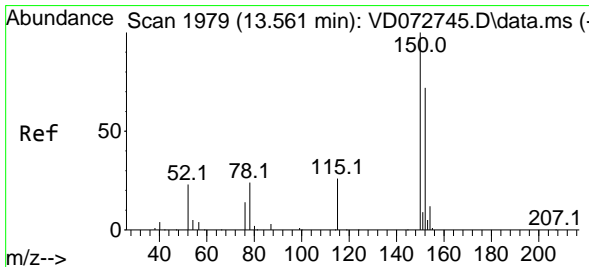
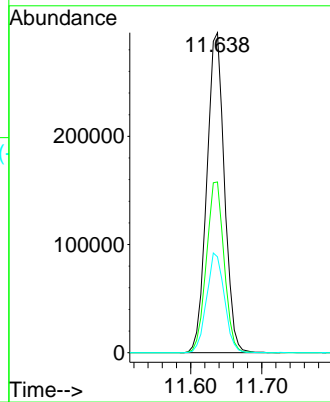
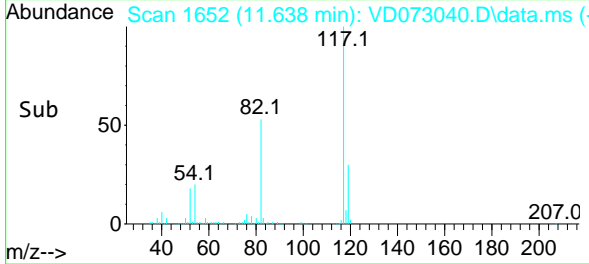
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.638 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VD073040.D  
 Acq: 16 May 2022 17:37

Instrument : MSVOA\_D  
 ClientSampleId : P007-SS012-0006-01

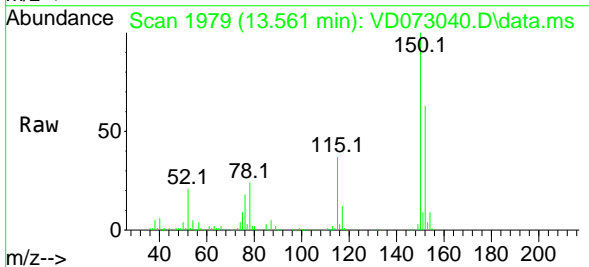


Tgt Ion:117 Resp: 509157

Ion	Ratio	Lower	Upper
117	100		
82	53.4	45.3	67.9
119	30.0	26.6	40.0

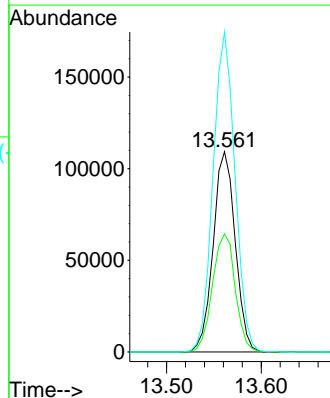
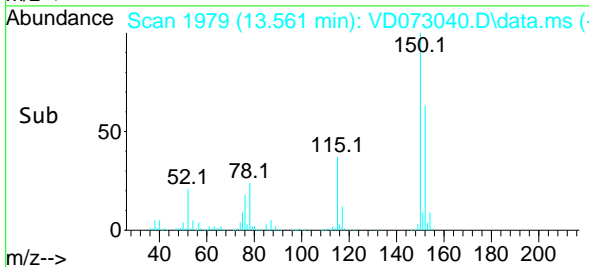


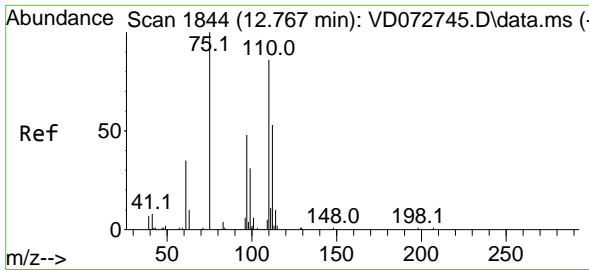
#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.561 min Scan# 1979  
 Delta R.T. 0.000 min  
 Lab File: VD073040.D  
 Acq: 16 May 2022 17:37



Tgt Ion:152 Resp: 177062

Ion	Ratio	Lower	Upper
152	100		
115	60.7	31.3	93.8
150	158.8	0.0	348.6

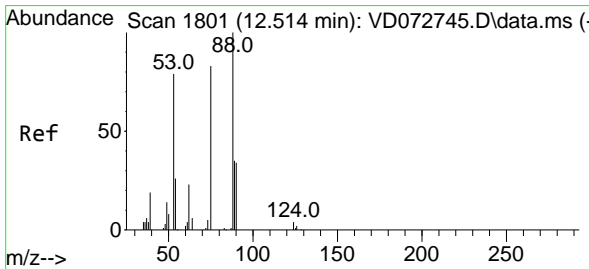
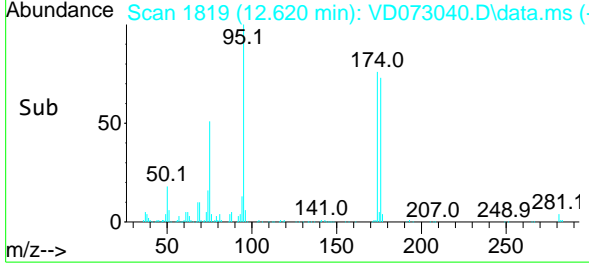
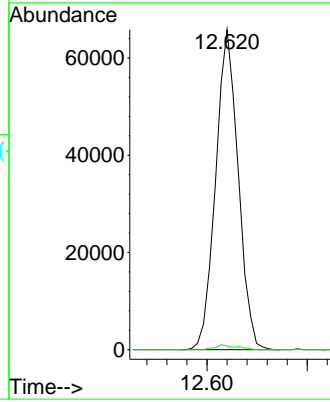
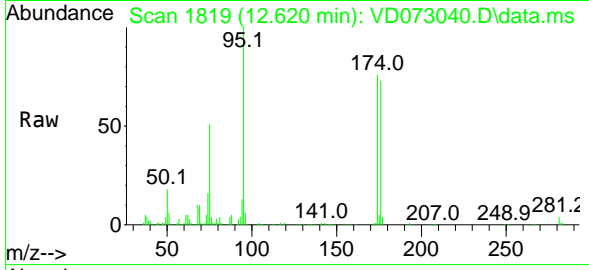




#76  
 1,2,3-Trichloropropane  
 Concen: 51.874 ug/l  
 RT: 12.620 min Scan# 1819  
 Delta R.T. -0.147 min  
 Lab File: VD073040.D  
 Acq: 16 May 2022 17:37

Instrument : MSVOA\_D  
 ClientSampleId : P007-SS012-0006-01

Tgt Ion: 75 Resp: 102418  
 Ion Ratio Lower Upper  
 75 100  
 77 1.5 0.0 0.0#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 119.289 ug/l  
 RT: 12.620 min Scan# 1819  
 Delta R.T. 0.106 min  
 Lab File: VD073040.D  
 Acq: 16 May 2022 17:37

Tgt Ion: 75 Resp: 102418  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 86.5 129.7#  
 89 0.0 33.9 50.9#

